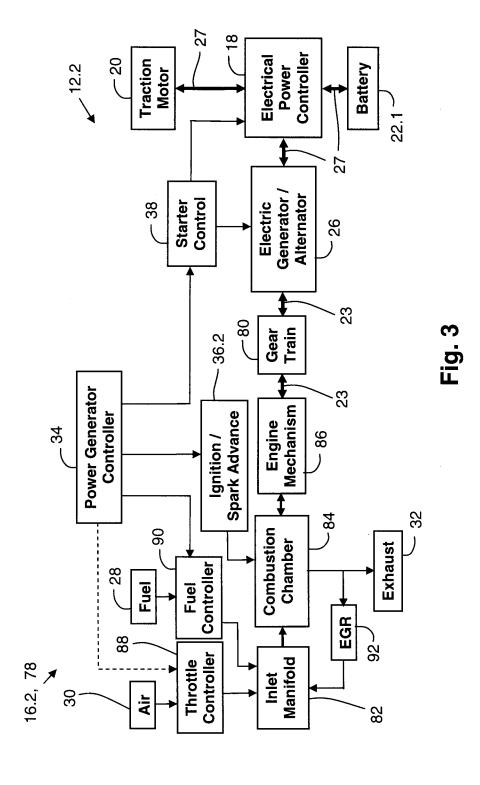


Fig. 2



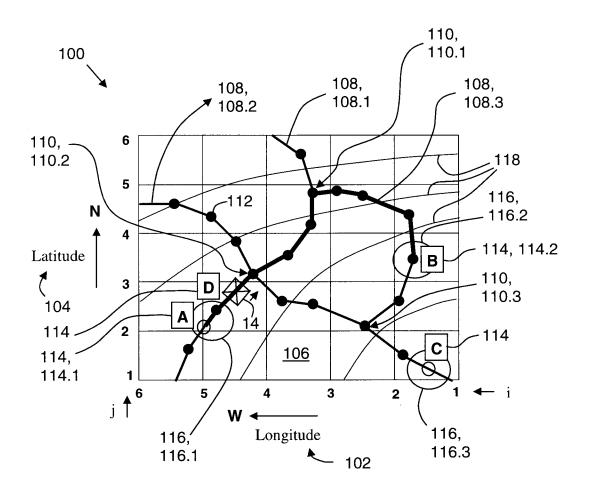


Fig. 4

	Southea	ast Corner			
	Latitude	Longitude	RoadList_ptr	DestinationCircleList_ptr	IntersectionList_ptr
•	Latitude(1)	Longitude(1)	RoadList_ptr(1,1)	DestinationCircleList_ptr(1,1)	IntersectionList_ptr(1,1)
	Latitude(1)	Longitude(2)	RoadList_ptr(1,2)	DestinationCircleList_ptr(1,2)	IntersectionList_ptr(1,2)
		•••		•••	
	Latitude(1)	Longitude(M)	RoadList_ptr(1,M)	DestinationCircleList_ptr(1,M)	IntersectionList_ptr(1,M)
	Latitude(2)	Longitude(1)	RoadList_ptr(2,1)	DestinationCircleList_ptr(2,1)	IntersectionList_ptr(2,1)
		••			***
	Latitude(N)	Longitude(M)	RoadList_ptr(N,M)	DestinationCircleList_ptr(N,M)	IntersectionList_ptr(N,M)

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Fig. 5

RoadList

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	Road_ptr	nodelD_min	nodelD_max
RoadList_ptr_(i,j) ->	Road_ptr(1)	nodeID_min(1)	nodeID_max(1)
	Road_ptr(2)	nodeID_min(2)	nodeID_max(2)
	•••		
	Road_ptr(R(i,j))	nodeID_min(R(i,j))	nodeID_max(R(i,j))
	NULL		7.4

Fig. 6a

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**Road Properties** 

Road\_ptr(k)->

		:			Distanc	e to:		
No	ode_ID	Latitude	Longitude	Elevation	Previous _node	Next _node	Intersection _ID	Destination Circle_ID
	1							
	2							
N	Nodes							
NI	ULL					- 4	Marin William	48/21

Fig. 6b

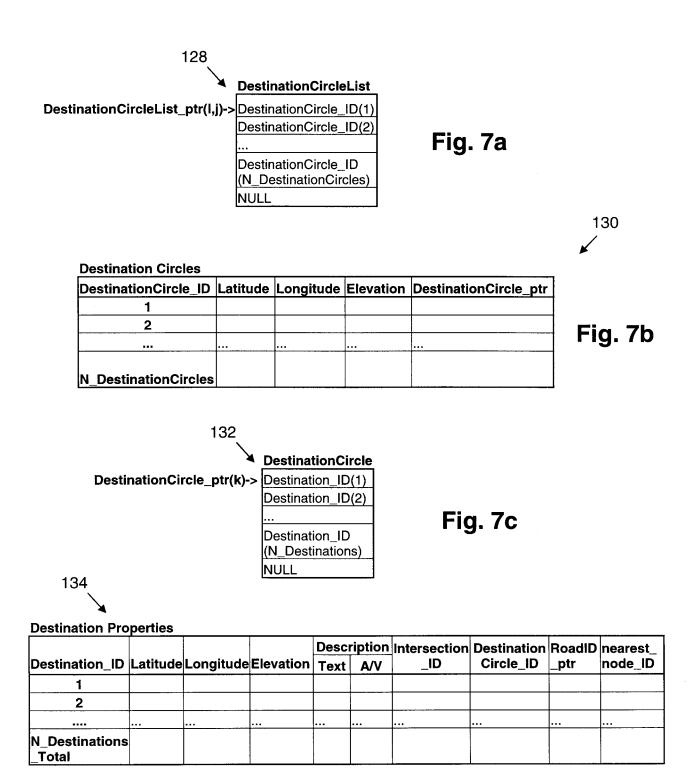
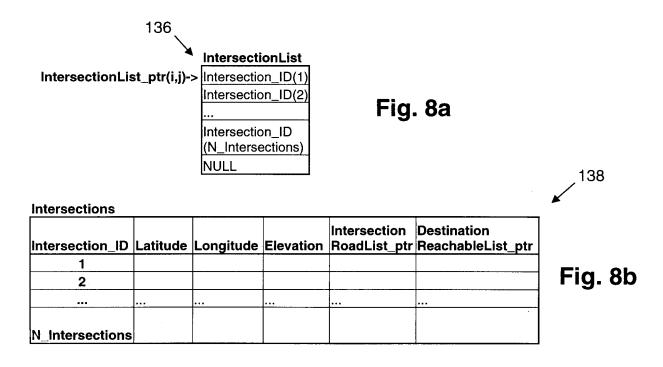


Fig. 7d



140				
*	IntersectionRoadList			
	RoadID_ptr	node_ID	Destination ReachableList_1_ptr	Destination ReachableList_2_ptr
Intersection RoadList_ptr(k)->	RoadiD_ptr(1)			
	RoadID_ptr(2)			
	RoadID_ptr (Nintersecting_Roads)			
. 19. 00	NULL			No. 1

142	DestinationReacha	ableList
Destination ReachableList_ptr(I)->	Destination_ID	DestinationCircle_ID
	Destination_ID(1)	
	Destination_ID(2)	
	•••	•••
Fig. 8d	Destination_ID (Ndestination Reachable)	
	NULL	

		△_Energy		
		Likelihood		
		Duration		
		Distance		
		Route_ptr		
	Subsequent	Destination_ID		
	Next	olerance		
	Ш	<u>"</u>		
	Time	Week  OfDay		
itions	DayOf	Week		
Next Destinations	Destination	<b>a</b> _		

Fig. 9

. .

	Routes						
Route_ptr(m)-> Road	1 1	Node_ID	Destination_ID	ptr Node_ID Destination_ID Intersection_ID distance elevation △_Energy	distance	elevation	∆_Energy
	Road_ptr(1)	Node_ID(1)	Destination_ID(1)	Ir(1) Node_ID(1) Destination_ID(1) Intersection_ID(1)	0	0 elevation(1)	0
	Road_ptr(2)	Node_ID (2)	Destination_ID(2)	Ir(2) Node_ID (2) Destination_ID(2) Intersection_ID(2) distance(2) elevation(2) \( \triangle \) Energy (2)	distance(2)	elevation(2)	∆_Energy (2)
	:	:	•••			::	::
	Road_ptr	Node_ID	Destination_ID	Intersection_ID Distance	Distance	Elevation	∆_Energy
	(Nnodes)	(Nnodes)	(Nnodes)	(Nnodes)	(Nnodes)	(Nnodes)	(Nnodes)
	NNFF						

Fig. 10

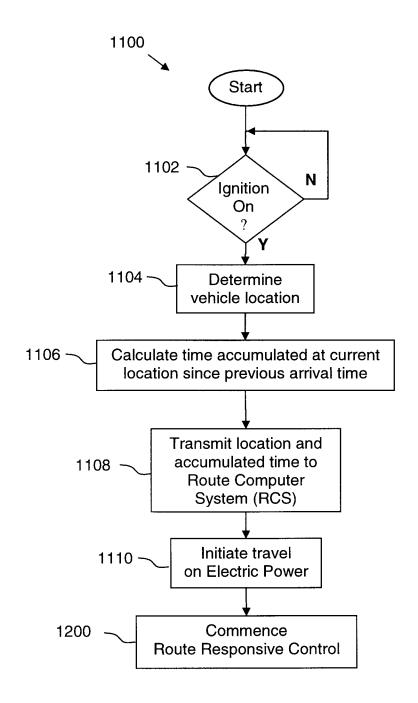


Fig. 11

